

undergraduate who likes his summation in smaller doses and with more pictures than one finds in many sections of this work. Certainly some of the chapters, particularly those on embryology and anatomy, can be recommended for graduate (residency) teaching, but much of the clinical material is too synoptic to be attractive to the advanced student. And the busy practitioner, of course, is likely to be searching more for therapeutic aids than for explanations of the natural history of woman.

Clearly the author has completed a stupendous task for a single contributor and has turned out a very handsome product. Whether it will really fill the niche for which it was designed is a question only time can answer. Dollarwise the student probably can get more information for his money buying separate obstetric and gynecologic texts, particularly if he has some interest in retaining them for reference beyond the day of graduation.

C. E. McLENNAN, M.D.

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PSYCHOLOGICAL DEVELOPMENT IN HEALTH AND DISEASE—George L. Engel, M.D., Professor of Psychiatry and Associate Professor of Medicine, The University of Rochester School of Medicine and Dentistry. W. B. Saunders Company, Philadelphia, Pa., 1962. 435 pages, \$7.50.

The appearance of this book fulfills a long-felt need in the field of psychiatric medicine in that it attempts to unify and present in a concise and eminently literate and terse way the psychological bases of behavior and to integrate this with the psychological and conceptual disturbances which illness produces. It embraces not only psychiatric diseases and psychosomatic reactions to stress, but discusses in a more complete way than is usual the effects on the patient of such major stresses as grief and mourning, danger and disaster.

This is a large order for a not so large volume. It is not surprising that it is, therefore, less complete than one could wish and that the description of the varied reactions to internal and external stress is more simplistic than is generally found to be the case.

All in all, this book, while presenting nothing that is new, merits purchase by its comprehensiveness, its lucid writing and scope.

CHARLES W. WAHL, M.D.

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DISSEMINATION OF CANCER—PREVENTION AND THERAPY—Warren H. Cole, M.D., F.A.C.S., Professor and Head of the Department of Surgery, University of Illinois College of Medicine; Surgeon-in-Chief, Illinois Research and Educational Hospitals, Chicago; Gerald O. McDonald, M.S., M.D., F.A.C.S., Associate Professor of Surgery, University of Illinois College of Medicine; Attending Surgeon, West Side Veteran's Administration Hospital, Chicago; Stuart S. Roberts, M.S., M.D., Instructor in Surgery, University of Illinois College of Medicine; Clinical Fellow, American Cancer Society; and Harry W. Southwick, M.D., F.A.C.S., Clinical Associate Professor of Surgery, University of Illinois College of Medicine; Associate Attending Surgeon and Director of the Tumor Clinic, Presbyterian-St. Luke's Hospital, Chicago. Appleton-Century-Crofts, Inc., 34 West 33rd St., New York 1, N. Y., 1961. 462 pages, \$12.75.

The accumulation of the facts and theories of the causes and cure of cancer is so vast that no individual or group can completely assimilate it. Dr. Warren H. Cole and his associates have long studied the growth and dissemination of cancer cells, in the laboratory and in patients. In this volume they give their recommendations as to how such dissemination can be prevented and treated.

This monograph is an account of the dynamic growth and spread of cancer, starting with motile, invasive cells and tracing their routes of passage to the establishment of metastases.

The four pathways of spread (1) local invasion, (2) lymphatics, (3) implantation, and (4) vascular channels are discussed with particular emphasis on spread by implantation and vascular channels. Factors favoring the spread of cancer, and local and systemic conditions which limit or destroy the growth are described in detail. Each chapter provides an extensive list of references.

Experimental evidence is presented indicating that various forms of stress, including operations, reduce the resistance of the host to the cancer and suggest that it is a factor in the human.

The possible relationship of viruses in the etiology of cancer is discussed. The effects of various hormones, particularly the sex hormones, are described.

The chapter on factors in the immunology of cancer is less conclusive, but the authors indicate that there is a possibility of developing a cancer antiserum or vaccine.

Experimental and clinical experience with various chemotherapeutic agents is described and methods such as regional perfusion are discussed.

The chapter on preventive measures in treatment is particularly valuable for the general surgeon. The importance of earlier diagnosis is vigorously defended. The physician is warned of the many ways that he or others may spread the cancer by rough examinations, taking biopsies or seeding cancer cells in the operative wound.

This monograph is extremely well done. It traces the often complex routes of dissemination of cancer and describes the factors that cause, prevent or limit such spread. It presents a skillful blend of experimental laboratory and clinical studies. It describes ways and means of preventing and treating cancer dissemination. This is a helpful and hopeful volume for anyone interested in the treatment of cancer.

LEONARD DOBSON, M.D.

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UROLOGY IN MEDICAL PRACTICE—Second Edition—Frank C. Hamm, M.D., M.S., F.A.C.S., Professor of Urology, Department of Surgery, State University of New York, Downstate Medical Center; Director of Urology, Kings County Hospital; Chief Attending Urologist, The Brooklyn Hospital; Consulting Urologist, Brooklyn Veterans' Hospital, Maimonides, Lutheran and St. Mary's Hospitals; and Sidney R. Weinberg, M.D., F.A.C.S., Associate Professor of Urology, Department of Surgery, State University of New York, Downstate Medical Center; Attending Urologist, Kings County Hospital; Consulting Urologist, Brooklyn Veterans' Hospital; Associate Attending Urologist, Long Island College Hospital; Assistant Attending Urologist, Maimonides Hospital. J. B. Lippincott Company, East Washington Square, Philadelphia 5, Pa., 1962. 323 pages, \$9.75.

This is the second edition of a work which first appeared in 1958 under the title "Urology in General Practice." It is one of the rather large group of similar volumes presented in recent years, designed originally for the use of medical students and later expanded into a compendium for general practitioners. It is, of course, assumed that like the students they are more interested in a concise outline of the subject than in an exhaustive comprehensive study. For the former purpose the book is ideal, for the authors are thoroughly competent and are well known in the field of Urology.

Careful examination of the book reveals that none of the common lesions and few of the extremely rare ones fail to receive attention. However, as might be expected, only a few of the subjects receive detailed discussion, and many of them are hardly more than mentioned. In many cases the main value of the book will lie in suggesting the possible existence of some condition that merits further study. Probably this is proper in a book of this kind and fortunately an adequate bibliography is included.